

ABSTRACT OF THE INVENTION

The invention provides methods for targeting a protein, such as an antibody, to intracellular compartments in a eukaryotic cell, methods for enhancing organ uptake of proteins, pharmaceutical compositions of modified proteins for use in human therapy, and methods for manufacturing modified proteins. The modified proteins of the invention comprise an attached lipid portion, wherein one or more acyl groups are linked to the protein through a carbohydrate side-chain and various covalent linkage chemistries which are provided. Lipidized antibodies of the invention can be used for diagnostic and therapeutic uses.